

# **SINGER**

**281-21**

Form 21235  
(462)  
Printed in U. S. A.

LIST OF PARTS COMPLETE

FOR

MACHINE NO. 281-21

THE SINGER MANUFACTURING COMPANY

# List of Parts Complete

for

Machine No. 281-21

No.		Name
*147350		Arm
		Note: Due to the accuracy required for gear alignment, Arm cannot be supplied separately and can only be sent out as a unit, Arm and Bed assembled.
8582	2	Arm Dowel Pin
50608(819)		Arm Hole Plug Screw (top of arm) for plugging hole used to assemble take-up oil wicks
140705(805)		Arm Screw (back)
146552	2	Arm Screw (front and intermediate)
140315(805)	2	Arm Screw Stud (back)
149167		Arm Shaft (horizontal) with 1036(830) and 140542(830)
147486		Arm Shaft (horizontal) Bushing (center)
140296(830)		Arm Shaft (horizontal) Bushing (center) Set Screw
147112		Arm Shaft (horizontal) Flanged Bushing (back)
146790		Arm Shaft (horizontal) Flanged Bushing (back) Oil Sump Tube
207(805)		Arm Shaft (horizontal) Flanged Bushing (back) Oil Sump Tube Holder Screw
140297(830)		Arm Shaft (horizontal) Flanged Bushing (back) Set Screw
147005		Arm Shaft (horizontal) Flanged Bushing (front)
448(830)		Arm Shaft (horizontal) Flanged Bushing (front) Set Screw
50555(805)	2	Arm Shaft (horizontal) Plug Screw
144(804)		Arm Shaft (horizontal) Screw (back)
141138(805)		Arm Shaft (horizontal) Screw Plug (front)

List of Parts for Machine No. 281-21

No.	Name
147109	Arm Shaft (horizontal) Screw Plug Washer (fiber)
147468	Arm Shaft (horizontal) Thrust Collar with two 457(830)
457(830)     2	Arm Shaft (horizontal) Thrust Collar Set Screw
143013	Arm Shaft (upright)
143014	Arm Shaft (upright) Bevel Gear (lower) right hand spiral with two 1259(830)
<p>Note: To ensure proper functioning of Gears, No. 143014 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 143295.</p>	
1259(830)     2	Arm Shaft (upright) Bevel Gear (lower) Set Screw
143015	Arm Shaft (upright) Bevel Gear (upper) left hand spiral with two 1259(830)
<p>Note: To ensure proper functioning of Gears, No. 143015 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 147476.</p>	
1259(830)     2	Arm Shaft (upright) Bevel Gear (upper) Set Screw
143016	Arm Shaft (upright) Bushing (lower)
140410(830)	Arm Shaft (upright) Bushing (lower) Set Screw
147111	Arm Shaft (upright) Bushing (upper)
50504(830)	Arm Shaft (upright) Bushing (upper) Set Screw
147007	Arm Side Shield
147008	Arm Side Shield Wick
16709	Arm Side Shield Wick Spring Holder
147010	Arm Side Shield complete, Nos. 16709, 147007 and 147008
217(819)     2	Arm Side Shield Screw
52239	Arm Spool Pin and Thread Eyelet

List of Parts for Machine No. 281-21

No.	Name
8879	Arm Spool Pin Washer (cloth)
	Note: When ordering No. 8879, state color required.
147011	Arm Top Cover for 147013
147012	Arm Top Cover for 147014
147013	Arm Top Cover with Stitch Regulator Plunger complete, Nos. 64519, 146511, 147011 and 147105
	Note: No. 147013 is regularly furnished with this Machine.
147014	Arm Top Cover with Stitch Regulator Plunger complete, when a longer spool pin (3 1/2 in. long) is required, Nos. 64519, 143244, 146511, 147012 and 147015
147015	Arm Top Cover Gasket
51369(813)    4	Arm Top Cover Screw
143244	Arm Top Cover Spool with Spool Rest, 3 1/2 in. long
147105	Arm Top Cover Stitch Regulator Plunger
140607(819)	Arm Top Cover Stitch Regulator Plunger Hole Plug Screw, for plugging the Plunger Hole when the Plunger is re- moved, to prevent tampering with the stitch set (for Agents only)
64519	Arm Top Cover Stitch Regulator Plunger Spring
146511	Arm Top Cover Stitch Regulator Plunger Stop Ring
*147353	Bed
	Note: Due to the accuracy required for gear alignment, Bed cannot be supplied separately and can only be sent out as a unit, Arm and Bed assembled.
143024	Bed Hole Plug
143268	Bed Leg (back)
1518(809)    2	Bed Leg (back) Nut

List of Parts for Machine No. 281-21

No.	Name
12431(819)	Bed Slide
4307	Bed Slide Spring
725(819)    2	Bed Slide Spring Screw
12432	Bed Slide complete, Nos. 4307, 12431(819) and two 725(819)
147477	Bell Crank
147478	Bell Crank Bracket
158(813)    2	Bell Crank Bracket Screw
140941(803)	Bell Crank Hinge Screw
1650(809)	Bell Crank Hinge Screw Nut
147479	Bell Crank complete, Nos. 1650(809), 140941(803), 147477 and 147478
147469	Combination of Feed and Stitch Regulator Parts, Nos. 143015, 143040, 143049, 143087, 143134, 147472 and 147473 (for Agents only)
149112	Face Plate with 149111
147019	Face Plate Gasket
149111	Face Plate Plug for plugging the Presser Bar Adjustment Hole
152(809)    3	Face Plate Screw (lower)
738(809)	Face Plate Screw (upper)
147470	Feed Bar
147471	Feed Bar 147470 with 147290, 147355, 147356, 272110 and two 1423(803)
147355	Feed Bar Carrier with two each 158(805) and 140788(805)
158(805)    2	Feed Bar Carrier Clamping Screw

List of Parts for Machine No. 281-21

No.	Name
143031	Feed Bar Carrier Oil Wick
147024	Feed Bar Carrier Oil Wick Holder with 143031
228(805) 2	Feed Bar Carrier Oil Wick Holder Screw
272110	Feed Bar Connecting Link
1423(803) 2	Feed Bar Connecting Link Cap Screw
147288	Feed Bar Connecting Link Oil Wick
272111	Feed Bar Connecting Link Oil Wick Clamp
147035	Feed Bar Connecting Link Oil Wick Holder
147289	Feed Bar Connecting Link Oil Wick Holder 147035 with 147288
50579(809)	Feed Bar Connecting Link Oil Wick Holder Screw
147356	Feed Bar Hinge Pin (eccentric)
140788(805) 2	Feed Bar Hinge Pin Clamping Screw
149057	Feed Dog, 21 teeth (22 teeth to the inch)
50117(830) 2	Feed Dog Screw
147472	Feed Eccentric
1375(830)	Feed Eccentric Body Position Screw
1036(830) 2	Feed Eccentric Body Set Screw
140256(830)	Feed Eccentric Stop Screw (7 stitch)
	Note: No. 140256(830) is regularly furnished with machine.
140568(830)	Feed Eccentric Stop Screw (8 stitch)
140257(830)	Feed Eccentric Stop Screw (5 1/2 stitch)
140258(830)	Feed Eccentric Stop Screw (14 stitch)

List of Parts for Machine No. 281-21

No.	Name
147473	Feed Lifting Eccentric and Arm Shaft (horizontal) Bevel Gear, right hand spiral with 1259(830), 140333(830) and 143088
	Note: To ensure proper functioning of Gears, No. 147473 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 147476.
140333(830)	Feed Lifting Eccentric Position Screw
1259(830)	Feed Lifting Eccentric Set Screw
147358	Feed Lifting Rock Shaft Nos. 197(805), 140359(805), 143236, 147038, 147039, 147047 and two 147037
143052	Feed Lifting Rock Shaft and Feed Rock Shaft Oil Wick Holder
197(805)	Feed Lifting Rock Shaft and Feed Rock Shaft Oil Wick Holder Screw
147028	2 Feed Lifting Rock Shaft Bushing
447(830)	2 Feed Lifting Rock Shaft Bushing Set Screw
147029	2 Feed Lifting Rock Shaft Collar with two 460(830)
460(830)	4 Feed Lifting Rock Shaft Collar Set Screw
143040	Feed Lifting Rock Shaft Connecting Rod
140230(803)	Feed Lifting Rock Shaft Connecting Rod Hinge Screw
1518(809)	Feed Lifting Rock Shaft Connecting Rod Hinge Screw Nut
149074	Feed Lifting Rock Shaft Crank (back) with 140228(830)
140228(830)	Feed Lifting Rock Shaft Crank (back) Clamping Screw
147290	Feed Lifting Rock Shaft Crank (front) with 140915(830)
140915(830)	Feed Lifting Rock Shaft Crank (front) Clamping Screw
140359(805)	Feed Lifting Rock Shaft Oil Plug Screw
143236	Feed Lifting Rock Shaft Oil Plug Screw Washer (fiber)



List of Parts for Machine No. 281-21

No.		Name
147037	2	Feed Lifting Rock Shaft Oil Wick (short)
147038		Feed Lifting Rock Shaft Oil Wick (long)
147039		Feed Lifting Rock Shaft Oil Wick
147047		Feed Lifting Rock Shaft Oil Wick Clamping Plate
197(805)		Feed Lifting Rock Shaft Oil Wick Clamping Plate Screw
147359		Feed Rock Shaft Nos. 197(805), 140359(805), 143236, 147039, 147046, 147047 and two 147045
146933		Feed Rock Shaft Bushing (back)
447(830)		Feed Rock Shaft Bushing (back) Set Screw
147043		Feed Rock Shaft Bushing (front)
447(830)		Feed Rock Shaft Bushing (front) Set Screw
147029		Feed Rock Shaft Collar with two 460(830)
460(830)	2	Feed Rock Shaft Collar Set Screw
143049		Feed Rock Shaft Connecting Rod
140230(803)		Feed Rock Shaft Connecting Rod Hinge Screw
1518(809)		Feed Rock Shaft Connecting Rod Hinge Screw Nut
146099		Feed Rock Shaft Crank with 140228(830)
140228(830)		Feed Rock Shaft Crank Clamping Screw
140359(805)		Feed Rock Shaft Oil Plug Screw
143236		Feed Rock Shaft Oil Plug Screw Washer (fiber)
147045	2	Feed Rock Shaft Oil Wick (short)
147046		Feed Rock Shaft Oil Wick (long)
147039		Feed Rock Shaft Oil Wick
147047		Feed Rock Shaft Oil Wick Clamping Plate

List of Parts for Machine No. 281-21

No.		Name
197(805)		Feed Rock Shaft Oil Wick Clamping Plate Screw
50190(819)		Guide Thumb Screw
147139		Machine Pulley small rim diam. (disc power) "V" belt groove 2.9 in. diam. with two 51283(830)
		Note: No. 147139 is regularly furnished.
51283(830)	2	Machine Pulley Set Screw
147140		Machine Pulley large rim diam. (disc power) "V" belt groove 2.9 in. diam. with two 51283(830)
149168		Needle Bar (hollow) with 140239(830)
143336		Needle Bar Bushing (lower)
1133(805)		Needle Bar Bushing (lower) Set Screw
52171		Needle Bar Bushing (lower) Thread Eyelet
143324		Needle Bar Bushing (upper)
1133(805)		Needle Bar Bushing (upper) Set Screw
147492		Needle Bar Connecting Link
147050		Needle Bar Connecting Link 147492 with 143326 (for Agents only)
140231(803)		Needle Bar Connecting Link Cap Screw
143056	18	Needle Bar Connecting Link Roller Bearing
143326		Needle Bar Connecting Stud with 140706(803)
140706(803)		Needle Bar Connecting Stud Clamping Screw
147053		Needle Bar Connecting Stud Oil Wick
143058		Needle Bar Connecting Stud Slide Block
140542(830)		Needle Bar Crank Position Screw
143196		Needle Bar Oil Wick

# List of Parts for Machine No. 281-21

No.		Name
140239(830)		Needle Set Screw
143176	2	Number Plate Rivet
146591		Oil Flow Body
143061	2	Oil Flow Body Gasket
143062		Oil Flow Window
143063		Oil Flow Window Cap
50257(809)	4	Oil Flow Window Cap Screw
143370	4	Oil Lead
51369(805)		Oil Lead Screw
143064		Oil Pipe
147360		Oil Pipe for oiling Rotating Hook Shaft (front) Bearing
143065		Oil Pipe Clamping Sleeve
143066		Oil Pipe Clamping Sleeve Nut
147106		Oil Pipe complete from Oil Pump to Arm Shaft (horizontal) Center Bearing, Nos. 143064, 143065 and 143066 (for Agents only)
147361		Oil Pipe 147360 with 143124 for oiling Rotating Hook Shaft Front Bearing (for Agents only)
143124		Oil Pipe Clamping Sleeve
143125		Oil Pipe Clamping Sleeve Nut
143126		Oil Pipe Clamping Sleeve Nut Adaptor
143070		Oil Pump (centrifugal) Body with 143126
143071	2	Oil Pump (centrifugal) Body Position Pin
157(805)	2	Oil Pump (centrifugal) Body Screw (rear and left)
149135		Oil Pump (centrifugal) Body Screw and Magnet Holder

List of Parts for Machine No. 281-21

No.	Name
143072	Oil Pump (centrifugal) Cover
143073	Oil Pump (centrifugal) Impeller
50123(805)	Oil Pump (centrifugal) Impeller Locking Screw
143074	Oil Pump (centrifugal) Screen
143075	Oil Pump (centrifugal) Screen Frame
189(805) 4	Oil Pump (centrifugal) Screen Frame Screw
147107	Oil Removing Wick (head end)
146745	Oil Removing Wick (head end) Holder Body
147108	Oil Removing Wick (head end) Holder Body 146745 with 146698 and 147107 (for Agents only)
140553(805)	Oil Removing Wick (head end) Holder Body Hinge Screw
146698	Oil Removing Wick (head end) Holder Body Spring
149205	Oil Removing Wick (head end) Hinge Plate and Cover
147055	Oil Removing Wick (head end) Hinge Plate and Cover Gasket
197(819) 4	Oil Removing Wick (head end) Hinge Plate and Cover Screw
149206	Oil Removing Wick (head end) Holder Body complete, Nos. 140553(805), 146698, 146745, 147055, 147107 and 149205
147141 2	Oil Wick 11 in. long for oiling Take-up Lever, Take-up Lever Link, Needle Bar Connecting Link and Thread Take-up Lever Link Hinge Bearing
147143	Oil Wick Holder with two 147141
140232(809)	Oil Wick Holder Screw
143295	Pair of Gears for Lower Shaft, Nos. 143014 and 143081 (for Agents only)

List of Parts for Machine No. 281-21

No.	Name
147476	Pair of Gears for Upper Shaft, Nos. 143015 and 147473 (for Agents only)
149139	Presser Bar (hollow)
147058	Presser Bar Bushing (lower)
	Note: No. 143184 is used in place of No. 147058 when using Quilter or Finger Guards .
149227	Presser Bar Bushing (lower) Washer
1133(805)	Presser Bar Bushing (lower) Set Screw
149140	Presser Bar Guide Bracket with 50203(830)
50203(830)	Presser Bar Guide Bracket Clamping Screw
147060	Presser Bar Lifter
69(850)	Presser Bar Lifter Hinge Screw
147372	Presser Bar Lifting Bracket
149213	Presser Bar Lifting Lever with 448(830)
143108	Presser Bar Lifting Lever Connecting Rod
1611(819)	Presser Bar Lifting Lever Connecting Rod Nut
1611(819)	Presser Bar Lifting Lever Connecting Rod Lock Nut
143191	Presser Bar Lifting Lever Connecting Rod Oil Mist Retaining Disc (felt)
143109	Presser Bar Lifting Lever Connecting Rod Swivel
802(819)	Presser Bar Lifting Lever Hinge Screw
147373	Presser Bar Lifting Lever Link
147062	Presser Bar Lifting Lever Pin
448(830)	Presser Bar Lifting Lever Pin Set Screw
146610	Presser Bar Lifting Lever Spring

# List of Parts for Machine No. 281-21

No.	Name
147291	Presser Bar Spring
2070	Presser Bar Spring Washer
62527	Presser Foot Hinge Pin
161065	Presser Foot Plate
62926	Presser Foot Shank
(161160) / 61160	Presser Foot Spring
161066	Presser Foot (spring hinged) complete, Nos. 62527, 62926, 161065 and 161160
50190(809)	Presser Foot Thumb Screw
147091	Pressure Regulating Thumb Screw and Presser Bar Guide
51614(809)	Pressure Regulating Thumb Screw Lock Nut
149141	Rotating Hook (Air Cooled) with 143301 and two 1253(830)
149142	Rotating Hook (Air Cooled) 149141 with 143351, 149066 and four 1053(805)
149143	Rotating Hook (Air Cooled) 149142 with 143346, 149065 and three 1367(805)
149145	Rotating Hook (Air Cooled) 149143 with 149065 and three 1367(805) (for Agents only)
149146	Rotating Hook (Air Cooled) 149143 with 149063
270010	Rotating Hook Bobbin
149060	Rotating Hook Bobbin Case
149061	Rotating Hook Bobbin Case 149060 with 591(806), 1380(805) and 40394
40392	Rotating Hook Bobbin Case Latch
125320	Rotating Hook Bobbin Case Latch Lever
2974	Rotating Hook Bobbin Case Latch Fulcrum Pin

List of Parts for Machine No. 281-21

No.	Name
2975	Rotating Hook Bobbin Case Latch Spring
592(805)	Rotating Hook Bobbin Case Latch Stop Screw
40393	Rotating Hook Bobbin Case Latch Hinge, Nos. 2974, 40392 and 125320 (for Agents only)
591(806)	Rotating Hook Bobbin Case Tension Regulating Screw
40394	Rotating Hook Bobbin Case Tension Spring
1380(805)	Rotating Hook Bobbin Case Tension Spring Screw
149063	Rotating Hook Bobbin Case complete, Nos. 592(805), 2974, 2975, 40392, 125320 and 149061
143346	Rotating Hook Bobbin Case Holder
<sup>1491 v</sup> (147475)	Rotating Hook Bobbin Case Holder Position Bracket
704(809)	Rotating Hook Bobbin Case Holder Position Bracket Screw
140551(803)	Rotating Hook Oil Flow Regulating Thumb Screw
143383	Rotating Hook Oil Flow Regulating Thumb Screw Spring
233(805)	Rotating Hook Oil Flow Regulating Thumb Screw Spring Screw
143301	Rotating Hook Oil Wick (felt)
149065	Rotating Hook Section
1367(805)    3	Rotating Hook Section Screw
1253(830)    2	Rotating Hook Set Screw
149169	Rotating Hook Shaft with 149153
149171	Rotating Hook Shaft 149169 with 147131
143081	Rotating Hook Shaft Bevel Gear (left hand spiral) with two 1259(830)

Note: To ensure proper functioning of Gears, No. 143081 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 143295.

List of Parts for Machine No. 281-21

No.	Name
1259(830) 2	Rotating Hook Shaft Bevel Gear Set Screw
143082	Rotating Hook Shaft Bushing (back)
140259(830)	Rotating Hook Shaft Bushing (back) Set Screw
149150	Rotating Hook Shaft Bushing (front)
1285(830)	Rotating Hook Shaft Bushing (front) Set Screw
149152	Rotating Hook Shaft Oil Filter Wick
143349	Rotating Hook Shaft Oil Filter Wick Holder
149153	Rotating Hook Shaft Oil Filter complete, Nos. 143349 and 149152
147131	Rotating Hook Shaft Oil Retaining Collar with two 50429(830)
50429(830) 2	Rotating Hook Shaft Oil Retaining Collar Set Screw
149066	Rotating Hook Thread Guard
1053(805) 4	Rotating Hook Thread Guard Screw
143351	Rotating Hook Wiper
147166	Slack Thread Regulator
190(805)	Slack Thread Regulator Screw
147092	Stitch Length Indicator Plate
402(819)	Stitch Length Indicator Plate Screw
143085	Stitch Regulator
143134	Stitch Regulator 143085 with 140549(805), 143086 and 143378
143086	Stitch Regulator Locking Slide
143087	Stitch Regulator Locking Slide Ratchet Wheel
143088	Stitch Regulator Locking Slide Ratchet Wheel Pin



List of Parts for Machine No. 281-21

No.	Name
143378	Stitch Regulator Locking Slide Spring
140549(805)	Stitch Regulator Locking Slide Spring Screw
2102	2 Tension Disc
1560(803)	Tension Regulating Thumb Nut
1560(803)	Tension Regulating Thumb Nut Lock Nut
147151	Tension Releasing Disc
147159	Tension Releasing Lever Body
147160	Tension Releasing Lever (adjustable) 147159 with 50123(819) and 147161 (for Agents only)
50123(819)	Tension Releasing Lever (adjustable) Screw
147161	Tension Releasing Lever Segment
12398	Tension Releasing Lever Hinge Pin
12329	Tension Releasing Lever Spring
32574	Tension Releasing Pin
147152	Tension Spring
140873(803)	Tension Stud
147292	Tension Stud 140873(803) with two 1560(803)
50305(803)	Tension Stud Set Screw
147293	Tension complete, Nos. 32574, 52083, 52394, 147151, 147152, 147292 and two 2102
149154	Thread Eyelet and Thread Guard (front of arm)
52454	Thread Retainer
624(830)	Thread Retainer Set Screw
149155	Thread Take-up Crank with Thread Take-up Lever with 149160 and eighteen 143056 (for Agents only)

List of Parts for Machine No. 281-21

No.	Name
149156	Thread Take-up Crank and Thread Take-up Lever with 143058, 143326, 149160 and eighteen 143056
149157	Thread Take-up Crank and Thread Take-up Lever complete, Nos. 92440, 147075 and 149156 (for Agents only)
140609(830)	Thread Take-up Crank Clamping Screw
147070	Thread Take-up Crank Clamping Screw Hole Plug Gasket
140610(819)	Thread Take-up Crank Clamping Screw Hole Plug Screw
1036(830)	Thread Take-up Crank Set Screw
149160	Thread Take-up Crank Wearing Plate
1034(806)	Thread Take-up Crank Wearing Plate Collar Set Screw
149161	Thread Take-up Lever Guard
147077	Thread Take-up Lever Guard Gasket
152(819)	Thread Take-up Lever Guard and Thread Eyelet and Thread Guard Screw (front of arm)
152(819)	Thread Take-up Lever Guard Screw
147073	Thread Take-up Lever Link Hinge Stud
147074	Thread Take-up Lever Link Hinge Stud Oil Wick
435(830)	Thread Take-up Lever Link Hinge Stud Set Screw
147075	Thread Take-up Lever Link Hinge Stud 147073 with 147074
92440	Thread Take-up Lever Link Hinge Stud Clip
147296	Thread Take-up Lever Oil Guard with 143196 and 147053
217(805)	Thread Take-up Lever Oil Guard Screw
143056	18 Thread Take-up Lever Roller Bearing
147079	Thread Take-up Lever Thread Eyelet Bushing

List of Parts for Machine No. 281-21

No.		Name
52394		Thread Take-up Spring
52083		Thread Take-up Spring Regulator with 50305(803)
448(830)		Thread Take-up Spring Regulator Set Screw
147158		Throat Plate (small needle hole) with guide lines for 149057
691(850)		Throat Plate Screw
143176	2	Trade Mark Rivet
Cat. No. 1361 (88x9)		Needle

## ACCESSORIES

No.		Name
270010	2	Bobbin
25878	4	Guide
143308	4	Machine Base and Oil Reservoir Cushion
12361	2	Machine Hinge Connection
41400		Machine Rest Pin (wood)
Cat. No. 1361 (88x9)	6	Needle
121741		One Quart Can filled with light grade stainless oil
228476		Screw Driver
120440		Screw Driver with 120441
120441		Screw Driver Blade
120089		Screw Driver Ferrule
259477		Screw Driver 5 in. long
146057		Wrench (socket) for 140609(830)
8908		Wrench
11140		Wrench

Note: Wrenches, Nos. 8908, 11140 and 146057 are not regularly furnished.

## BOBBIN WINDER NO. 259462

259428	Brake (leather)
259429	Brake Clamp
200113(806)	Brake Clamp Screw
225453	Frame with 202277 and 259660
225454	Frame Hinge Pin

BOBBIN WINDER NO. 259462 (Cont'd)

No.	Name
202277	Frame Oil Packing (wick)
259660	Frame Oil Well Washer
225455	Frame Spring
225456	Frame Spring Plunger
259930	Pulley with 457(830)
457(830)	Pulley Set Screw
225381	Spindle
225444	Stop Latch
200056(805)	Stop Latch Screw
225458	Stop Latch Thumb Lever
225459	Stop Latch Thumb Lever Hinge Stud
225459	Stop Latch Thumb Lever Joint Stud
202478	Stop Latch Trip Lever
200299(819)	Stop Latch Trip Lever Hinge Screw
225461	Tension Bracket with 201499(819)
200082(804)	Tension Bracket Screw
228026	Tension Bracket Screw Washer
2102	2 Tension Disc
13710	Tension Spring
201499(819)	Tension Stud
201572(819)	Tension Stud Thumb Nut
225462	Bobbin Winder Tension Bracket complete, Nos. 13710, 201572(819), 225461 and two 2102

BOBBIN WINDER NO. 259462 (Cont'd)

No.	Name
259662	Bobbin Winder and Tension Bracket Base
259462	Bobbin Winder complete, Nos. 200056(805), 200082(804), 200113(806), 200299(819), 202478, 225381, 225444, 225453, 225454, 225455, 225456, 225458, 225462, 228026, 259428, 259429, 259662, 259930, two each 225459 and wood screws 3/4 in. No. 12 R. H. B.

KNEE LIFTER

147480	Bell Crank Plunger
143280	Rock Shaft
147481	Rock Shaft 143280 with 147482, 147483 and 147485
147482	Rock Shaft Crank with 140351(830) and 143282
140350(803)	Rock Shaft Adjusting Screw
143282	Rock Shaft Crank Adjusting Screw 140350(803) with 51649(809)
51649(809)	Rock Shaft Crank Adjusting Screw Lock Nut
140351(830)	Rock Shaft Crank Clamping Screw
147487	Rock Shaft Knee Arm
147489	Rock Shaft Knee Arm Hub with 140351(830) and 140737(869)
140351(830)	Rock Shaft Knee Arm Hub Clamping Screw
140737(869)	Rock Shaft Knee Arm Set Screw
147488	Rock Shaft Knee Arm complete, Nos. 2767, 147487 and 147489
2767	Rock Shaft Knee Arm Plate with 356(803)
356(803)	Rock Shaft Knee Arm Plate Set Screw
147485	Rock Shaft Spring

KNEE LIFTER (Cont'd)

No.	Name
147483	Rock Shaft Stop Dog with 140351(830)
140351(830)	Rock Shaft Stop Dog Clamping Screw
147484	Rock Shaft complete, Nos. 147481 and 147488

MACHINE BASE and OIL RESERVOIR

147367	Machine Base and Oil Reservoir
147368	Machine Base and Oil Reservoir Gasket (cork)
50741(805)	Machine and Machine Base and Oil Reservoir Screw (for shipping purposes)
140343(805)	Machine and Machine Base and Oil Reservoir Screw Hole Plug Screw
149122	Machine Base and Oil Reservoir (small) with Knee Lifter Rock Shaft, Nos. 50741(805), 143280, 147367, 147368, 147480, 147482, 147483 and 147485